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INTELLECTUAL PROPERTY LAW

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<b>COMPANY:</b>	<b>DATE:</b> June 30, 2006
<b>FAX NO.:</b> 571-273-8300	<b>TOTAL NO. OF PAGES:</b> (including cover sheet) 14
<b>YOUR REFERENCE NO.:</b>	<b>OUR REFERENCE (C/M) NO.:</b> 011738.00024
<b>RE:</b> Filing of Response After Final Office Action for U.S. Serial No. 10/045,122 Entitled: Multiplexed Electrode Array Extension Inventors: Stypulkowski Our Case No. 011738.00024	

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<b>NAME:</b> Kathy Kessling	<b>PHONE:</b> 312-463-5505
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PTO/SB/21 (09-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/045,122
	Filing Date	November 9, 2001
	First Named Inventor	Stypulkowski
	Art Unit	3766
	Examiner Name	Kennedy Schaetzle
Total Number of Pages in This Submission	Attorney Docket Number	011738.00024

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below: fax cover sheet)
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Firm	Banner & Witcoff, Ltd.		
Signature	<i>W. L. Sheldon</i>		
Printed Name	Stephen L. Sheldon		
Date	June 30, 2006	Reg. No.	58,732

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/045,122
	Filing Date	November 9, 2001
	First Named Inventor	Stypulkowski
	Art Unit	3766
	Examiner Name	Kennedy Schaeztle
Total Number of Pages in This Submission	Attorney Docket Number	011738.00024

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Amendment dated June 30, 2006  
Reply to Office Action dated April 28, 2006

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Application No. 10/045,122

JUN 30 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**(Attorney Docket No. 011738.00024)**

In re U.S. Patent Application of	)	
Stypulkowski	)	
	)	
Application No. 10/045,122	)	Group Art Unit: 3766
	)	
Filed: November 9, 2001	)	Examiner: Kennedy Schaetzle
	)	
For: Multiplexed Electrode Array	)	
Extension	)	

**RESPONSE AFTER FINAL OFFICE ACTION**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

This paper is responsive to the Final Office Action dated April 28, 2006. The Examiner has set a three-month period for response, making this paper due on or before July 28, 2006. While no fees are believed owed with this submission, the Commissioner is hereby authorized to charge any fees or credit any overpayment of fees to Deposit Account No. 19-0733.

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 9 of this paper.